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(21) International Application Number: PCT/AU00/00411 (22) International Filing Date: 5 May 2000 (05.05.00) (30) Priority Data: PQ 0198 6 May 1999 (06.05.99) AU (71) Applicant (for all designated States except US): RESMED LIMITED [AU/AU]; 97 Waterloo Road, North Ryde, NSW 2113 (AU). (72) Inventors; and (75) Inventors/Applicants (for US only): BERTHON-JONES, Michael [AU/AU]; 7, Leonay Parade, Leonay, NSW 2750 (AU). WICKHAM, Peter, John, Deacon [AU/AU]; 20 Hampden Road, Five Dock, NSW 2046 (AU). (74) Agent: SPRUSON & FERGUSON; GPO Box 3898, Sydney, NSW 2001 (AU).		(81) Designated States: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BE, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: CONTROL OF SUPPLIED PRESSURE IN ASSISTED VENTILATION		
(57) Abstract Methods and apparatus for detecting the occurrence of a potential or actual overpressure during assisted ventilation are described. A blower (10) supplies pressurised gas to a conduit (12), and in turn to a patient mask (11) for connection with the entrance of a patient's airways. A pressure sensor (17, 18) detects the delivered pressure in the mask (11), which is provided to a controller (16). The controller (16) has operation over the blower (10) by way of a servo (19) and motor (20). The controller (16) determines a relatively longterm average of the pressure signal, and compares it against a threshold value (40). If the threshold value is approached or exceeded, the controller (16) controls the blower (10) and thus the supplied pressure to the patient. The effect of the control can be to limit or reduce the supplied gas pressure. The relatively longterm average can be of the order of minutes, or taken over ten or more breaths.		